

Name

**InzaAnwar**

Registration #

**2022-ag-2459**

Class

**MSSE(3<sup>rd</sup>)**


Subject

**Expert System and Applied Artificial Intelligence (MIS-703)**

**1<sup>st</sup> Lab**

# Constant , Variables , Case Sensitivity , mnemonic variables

+ Code + Text

```
✓ 1s  #Contant
print('abc')
print(12345)
print("inzaAnwar")
a=10
print(a)
```

```
abc
12345
inzaAnwar
10
```

```
✓ 0s [10] from os import spawnl
#Variables
a=12 # "a" is a variable
b='inza'
a=15
print(a,b)
#sound same spelling same but 3 differnt variable case sensitivity
Spam=1
spam=2
SPAM=3
print(spam,Spam,SPAM)
#Menimonic means understandable and welldefine variable name
hours=8
salary=3000
print("worker totall hours ",hours)
print("worker totall Salary ",salary)
```

```
[10] #how to laculate salary if you know working hours & per hours rate
Working_hours=8
per_hourRate=3000
salary=Working_hours*per_hourRate
print(salary)
```

```
15 inza
2 1 3
worker totall hours 8
worker totall Salary 3000
24000
```

## Assignment operator & expressions

```
#Assignment operator & expressions
x=2
x=3.9*x*(1-2)
print(x)
#Expressions
#Plus operator
x=2
x=x+5
print(x)
# remainder
y=23
z=23%5
print(z)
#Power
oo=8
power=oo**5
print(power)
```

```
-7.8
7
3
32768
```

## Type()

```
[29] x=1+2*3-4/5**6
print(x)
```

```
6.999744
```

```
#type
a="inza"
b="helo"
print(a,b)
a="inza"+"hello"
print(a)
a=1+2
print(a)
```

```
inza helo
inzahello
3
```

```

▶ #type
a="inza"
b="helo"
print(a,b)
a="inza"+"hello"
print(type(a))
a=1+2
print(a)
b=2
type(b)
c="hello inza"
type(c)
h=0.09
type(h)

```

```

inza helo
<class 'str'>
3
float

```

## Convert into float & int

### Integer division gives answer in float

```

✓ [11] #Conversion int & float
Js x=10
print(float(x))
y=89.1
h=88.9
print(int(y))
print(int(h))
sum=y+h
print(int(sum))

```

```

10.0
89
88
178

```

```

[14] #integer divison
a=2/10
print(a)
a=10/2
print(a)

```

```

0.2
5.0

```

## String Conversion & input()

✓ [19] #String conversion

0s

```
a='123'  
type(a)  
c=int(a)  
print(type(c))  
sum=c+1  
print(sum)
```

```
<class 'int'>  
124
```

✓ [27] #Input Function

12s

```
name=input("what is your name")  
print("welcome",name)  
help=input("may i help you")  
print(help," please wait for to next response")  
amount=input("please enter amount")  
tax=500  
print("total tax is",tax)  
print(int(amount)+tax)
```

```
what is your nameinza  
welcome inza  
may i help youyes  
yes please wait for to next response  
please enter amount1500  
total tax is 500  
2000
```

---

Open file from Pc and read the file this program is not working because am working online that is why I have no access of my pc files

```
/ is [29] inp = input('Europe floor?')  
      usfloor = int(inp) + 1  
      print('US floor', usfloor)
```

```
Europe floor?0  
US floor 1
```

```
[30] # Get the name of the file and open it  
      name = input('Enter file:')  
      handle = open(name, 'r') # that code is not working because am working online and no file here if am working ofline then am acessing my pc file
```

```
Enter file:inza
```

```
-----  
FileNotFoundError                                Traceback (most recent call last)  
  <ipython-input-30-8ee13a209e88> in <cell line: 3>()  
      1 # Get the name of the file and open it  
      2 name = input('Enter file:')  
----> 3 handle = open(name, 'r')
```

```
FileNotFoundError: [Errno 2] No such file or directory: 'inza'
```

SEARCH STACK OVERFLOW

## Exercise question

```
[34] #exercise quetion
```

```
Hours= 35  
Rate= 2.75  
pay=Hours*Rate  
print(pay)
```

96.25

```
[ ]
```

```
/ [38] # through input  
ls  
hour = input("Enter hours")  
rate =input("per hours rate")  
h=int(hour)  
type(h)  
r=float(rate)  
type(r)  
pay=h*r  
print(pay)
```

Enter hours35  
per hours rate2.75  
96.25